

**RFP No. 16-034**  
**Automatic Vehicle Location (AVL) and Passenger Counter (APC) System**

**Summary**

TransIT Services of Frederick County is seeking an Intelligent Transportation System (ITS) solution to provide an Automatic Vehicle Location (AVL) system with a customer computer and smartphone interface providing real-time next bus information, and Automatic Passenger Counter (APC) technology on the fleet of twenty-seven (27) 30-35 foot transit buses (Attachment 9). The technology is intended to assist in fixed route vehicle location identification and reporting, capturing of data for transit system planning and management analysis, collection of data for the National Transit Database (NTD), and to provide customers with tools to enhance their ability to utilize the system. Onboard APC equipment will record the number of passengers boarding and alighting through each door at each stop by date and time. Passenger load must be available to the dispatcher in real time via display screen. APC data must meet NTD requirements without additional processing.